

WHAT IS CLAIMED IS:

1. An image reproduction apparatus comprising:
 - a memory configured to record photographed image data and photographing information of the photographed image data in association with each other;
 - a display;
 - a first display control unit configured to set a predetermined number of display areas on the display;
 - a display area selection unit configured to select, on the basis of the photographing information recorded in the memory, a display area in which the photographed image data recorded in the memory in association with the photographing information should be displayed from the predetermined number of display areas set by the first display control unit;
 - a second display control unit configured to display the photographed image data in the display area selected by the display area selection unit; and
 - a third display control unit configured to limit the number of photographed image data to be simultaneously displayed in the display area to a predetermined number.
2. An apparatus according to claim 1, wherein the photographing information is information representing photographing time of the photographed image data.
3. An apparatus according to claim 1, wherein the photographing information is information representing a

photographing position of the photographed image data.

4. An apparatus according to claim 1, wherein the photographing information is information representing a type of the photographed image data.

5 5. An apparatus according to claim 1, wherein the third display control unit includes

an image selection unit configured to select a predetermined number of photographed image data having early photographing times from the plurality of photographed image data to be displayed in the same display area, and

an image display unit configured to simultaneously display, in the display area, the predetermined number of photographed image data selected by the image selection unit.

6. An apparatus according to claim 1, wherein the third display control unit includes

an image selection unit configured to select a predetermined number of arbitrary photographed image data from the plurality of photographed image data to be displayed in the same display area, and

an image display unit configured to simultaneously display, in the display area, the predetermined number of photographed image data selected by the image selection unit.

7. An apparatus according to claim 1, wherein the third display control unit limits the number of

photographed image data to be simultaneously displayed in the display area to one.

8. An apparatus according to claim 7, further comprising a fourth display control unit configured to sequentially switch the photographed image data displayed in the display area to display the plurality of photographed image data to be displayed in the same display area.

9. An apparatus according to claim 8, which further comprises an instruction unit configured to manually instruct change of the image displayed in the display area, and

in which when the instruction unit instructs change of the display image, the fourth display control unit switches the display to the next photographed image data.

10. An apparatus according to claim 8, which further comprises a display area designation unit configured to designate an arbitrary display area of the predetermined number of display areas, and

in which the fourth display control unit sequentially switches the photographed image data displayed in the display area designated by the display area designation unit to display the plurality of photographed image data to be displayed in the same display area.

11. An apparatus according to claim 1, further

comprising

a display area designation unit configured to designate an arbitrary display area of the predetermined number of display areas, and

5 an image processing unit configured to execute predetermined image processing at once for a plurality of photographed image data to be displayed in the display area designated by the display area designation unit.

10 12. An apparatus according to claim 11, wherein the display area designation unit designates a plurality of arbitrary display areas of the predetermined number of display areas, and

15 the image processing unit executes the predetermined image processing at once for a plurality of photographed image data to be displayed in each of the plurality of display areas designated by the display area designation unit.

20 13. An apparatus according to claim 11, which further comprises an image processing designation unit configured to designate a type of image processing, and

25 in which the image processing unit executes image processing of the type designated by the image processing designation unit at once for a plurality of photographed image data.

14. An apparatus according to claim 1, wherein

the third display control unit also limits a type of photographed image data to be displayed in the display area.

15 15. An apparatus according to claim 14, which
 further comprises an image type designation unit
 configured to designate the type of photographed image
 data, and

 in which the third display control unit limits the
 type of photographed image data to be displayed in the
10 display area on the basis of the type of photographed
 image data designated by the image type designation
 unit.

 16. An apparatus according to claim 1, wherein
 the first display control unit includes a setting
15 unit configured to set a predetermined number of
 storage areas on a display memory,

 the display area selection unit includes a
 selection unit configured to select, on the basis of
 the photographing information recorded in the memory,
20 a storage area in which the photographed image data
 recorded in the memory in association with the
 photographing information should be stored from the
 predetermined number of display areas set on the
 display memory by the first display control unit,

25 the second display control unit includes a storage
 control which stores the photographed image data in the
 storage area on the display memory, which is selected

by the display area selection unit,

the third display control unit includes a limiting unit configured to limit the number of photographed image data to be simultaneously stored in the storage area, and

the apparatus further comprises an image file generation unit configured to generate one image file data by using the image data stored on the display memory by the first, second, and third display control units and the display area selection unit.

17. An apparatus according to claim 16, wherein the display displays the image data stored on the display memory by the first, second, and third display control units and the display area selection unit,

the apparatus further comprises a generation instruction unit which instructs generation of the image file data by the image file generation unit, and

when instruction by the generation instruction unit is issued in a state wherein the image data is displayed on the display, the image file generation unit generates the image file data.

18. An apparatus according to claim 16, wherein the memory records the image file data generated by the image file generation unit.

19. An apparatus according to claim 16, further comprising a transmission unit which transmits the image file data generated by the image file generation

unit to an external device.

20. An apparatus according to claim 1, further comprising

5 a display area designation unit configured to designate an arbitrary display area of the predetermined number of display areas, and
a fourth display control unit configured to simultaneously display, on the display, a plurality of photographed image data including photographed image data which are limited by the third display control
10 unit and are not displayed, in the display area designated by the display area designation unit.

21. An apparatus according to claim 20, further comprising

15 an image selection unit configured to select arbitrary photographed image data from the plurality of photographed image data simultaneously displayed on the display by the fourth display control unit, and
a fifth display control unit configured to
20 display, on the display, an enlarged image of the photographed image data selected by the image selection unit.

22. An apparatus according to claim 1, which

further comprises an image sensor configured to
25 sense an object image and outputs photographed image data, and

in which the memory records the photographed image

data output from the image sensor.

23. An image reproduction apparatus comprising:

a memory configured to record photographed image data;

5 a display;

a classification unit configured to classify the photographed image data recorded in the memory into a plurality of groups in accordance with a predetermined condition;

10 a first display control unit configured to display, on the display for each group, the photographed image data classified by the classification unit;

a second display control unit configured to limit
15 the number of photographed image data to be displayed in each group to one; and

a third display control unit configured to sequentially switch the photographed image data displayed in each group to display, on the display,
20 a plurality of photographed image data included in the same group.

24. An apparatus according to claim 23, which

further comprises an instruction unit configured to manually instruct change of the image displayed on
25 the display, and

in which when the instruction unit instructs change of the display image, the third display control

unit switches the display to the next photographed image data.

25. An apparatus according to claim 23, which further comprises a group designation unit
5 configured to designate an arbitrary group, and in which the third display control unit sequentially switches the photographed image data included in the group designated by the group designation unit to display the plurality of
10 photographed image data included in the same group.

26. An image reproduction apparatus comprising:
a memory configured to record photographed image data;
a display;
15 a classification unit configured to classify the photographed image data recorded in the memory into a plurality of groups in accordance with a predetermined condition;
a display control unit configured to display, on
20 the display for each group, the photographed image data classified by the classification unit;
a group designation unit configured to designate an arbitrary group of the plurality of groups displayed on the display by the display control unit; and
25 an image processing unit configured to execute predetermined image processing at once for a plurality of photographed image data included in the group

designated by the group designation unit.

27. An apparatus according to claim 26, wherein
the group designation unit designates a plurality
of arbitrary groups of the plurality of groups, and

5 the image processing unit executes the predeter-
mined image processing at once for a plurality of
photographed image data included in each of the
plurality of groups designated by the group designation
unit.

10 28. An apparatus according to claim 26, which
further comprises an image processing designation
unit configured to designate a type of image
processing, and

15 in which the image processing unit executes
image processing of the type designated by the image
processing designation unit at once for the plurality
of photographed image data.

29. An image reproduction apparatus comprising:
a memory configured to record photographed image
20 data;

a display;

a classification unit configured to classify the
photographed image data recorded in the memory into a
plurality of groups in accordance with a predetermined
25 condition;

a first display control unit configured to
display, on the display for each group, the

photographed image data classified by the
classification unit; and

5 a second display control unit configured to limit
a type of photographed image data to be displayed for
each group on the display by the first display control
unit.

30. An apparatus according to claim 29, which
further comprises an image type designation unit
configured to designate the type of photographed image
10 data, and

in which the second display control unit limits
the type of photographed image data to be displayed on
the display on the basis of the type of photographed
image data designated by the image type designation
15 unit.

31. An image reproduction apparatus comprising:
a memory configured to records photographed image
data;

a display;
20 a classification unit configured to classify the
photographed image data recorded in the memory into a
plurality of groups in accordance with a predetermined
condition;

a display control unit configured to display, on
25 the display for each group as a list, the photographed
image data classified by the classification unit; and
an image file generation unit configured to

generate one image file data by using the image data for the list display, which is displayed on the display by the display control unit.

5 32. An image reproduction method comprising steps of:

 setting a predetermined number of display areas on a display;

 selecting, on the basis of photographing information recorded in a memory, a display area in
10 which photographed image data recorded in the memory in association with the photographing information should be displayed from the predetermined number of display areas;

 displaying the photographed image data in the
15 selected display area; and

 limiting the number of photographed image data to be simultaneously displayed in the display area to a predetermined number.

20 33. A program which causes a computer of an image reproduction apparatus to execute:

 processing for setting a predetermined number of display areas on a display;

 processing for selecting, on the basis of photographing information recorded in a memory, a
25 display area in which photographed image data recorded in the memory in association with the photographing information should be displayed from the predetermined

number of display areas;

processing for displaying the photographed image
data in the selected display area; and

processing for limiting the number of photographed
5 image data to be simultaneously displayed in the
display area to a predetermined number.